

CLAIMS

1. A coding apparatus of a time-varying image signal, said apparatus comprising:

intra-coding means for performing intra-coding in
5 which coded block formed by division of a time-varying
image signal to a plurality of blocks are coded as they
are; and

coding controlling means for performing control of
coding so that successive intra-coding of N pictures are
10 performed from a beginning of communication.

2. The coding apparatus of a time-varying image signal according to claim 1, wherein said coding controlling means makes picture qualities of $(N - 1)$ pictures from the beginning of communication relatively rough and makes a
15 picture quality of a Nth picture from the beginning of the communication relatively fine.

3. A base station apparatus including a coding apparatus of a time-varying image signal, said coding apparatus comprising:

20 intra-coding means for performing intra-coding in which coded block formed by division of a time-varying image signal to a plurality of blocks are coded as they are; and

25 coding controlling means for performing control of coding so that successive intra-coding of N pictures are performed from a beginning of communication.

4. A communication terminal apparatus including a

coding apparatus of a time-varying image signal, said coding apparatus comprising:

intra-coding means for performing intra-coding in which coded block formed by division of a time-varying image signal to a plurality of blocks are coded as they are; and

coding controlling means for performing control of coding so that successive intra-coding of N pictures are performed from a beginning of communication.

10 5. A decoding apparatus of a time-varying image signal, said apparatus comprising:

decoding means for decoding an image-coded data; memorizing means for memorizing position information of a coded block in a time-varying image signal, the coded block corresponding to an image-coded data that could not correctly be decoded owing to a transmission error, in a case where said image-coded data is an image-coded data after performing of intra-coding thereof; and

requiring means for ascertaining whether a coded block that could not correctly be decoded even once exists in said memorizing means or not when a first image-coded data after performing of motion compensation prediction coding thereof from a beginning of communication is received, and for requiring transmission of a picture after performing of intra-coding thereof when existence of the coded block, which has not been decoded correctly, is ascertained.

6. The decoding apparatus of a time-varying image signal according to claim 5, wherein said decoding means does not perform decoding of the image-coded data after performing of the motion compensation prediction coding 5 thereof in a case where the coded block that could not correctly be coded even once exists in said memorizing means when the first image-coded data after performing of the motion compensation prediction coding from the beginning of the communication is received.

10 7. A base station apparatus including a decoding apparatus of a time-varying image signal, said decoding apparatus comprising:

decoding means for decoding an image-coded data; memorizing means for memorizing position information 15 of a coded block in a time-varying image signal, the coded block corresponding to an image-coded data that could not correctly be decoded owing to a transmission error, in a case where said image-coded data is an image-coded data after performing of intra-coding thereof; and

20 requiring means for ascertaining whether a coded block that could not correctly be decoded even once exists in said memorizing means or not when a first image-coded data after performing of motion compensation prediction coding thereof from a beginning of communication is 25 received, and for requiring transmission of a picture after performing of intra-coding thereof when existence of the coded block, which has not been decoded correctly, is

ascertained.

8. A communication terminal apparatus including a decoding apparatus of a time-varying image signal, said decoding apparatus comprising:

5 decoding means for decoding an image-coded data; memorizing means for memorizing position information of a coded block in a time-varying image signal, the coded block corresponding to an image-coded data that could not correctly be decoded owing to a transmission error, in
10 a case where said image-coded data is an image-coded data after performing of intra-coding thereof; and requiring means for ascertaining whether a coded block that could not correctly be decoded even once exists in said memorizing means or not when a first image-coded
15 data after performing of motion compensation prediction coding thereof from a beginning of communication is received, and for requiring transmission of a picture after performing of intra-coding thereof when existence of the coded block, which has not been decoded correctly, is
20 ascertained.

9. A coding method of a time-varying image signal, said coding method comprising:

an intra-coding step for performing intra-coding in which coded blocks formed by division of a time-varying
25 image signal to a plurality of blocks are coded as they are; and

a coding controlling step for performing control of

coding so that successive intra-coding of N pictures is performed from a beginning of communication, and for making picture qualities of (N - 1) pictures from the beginning of the communication relatively rough, and further for 5 making a quality of a Nth picture from the beginning of the communication relatively fine.

10. A decoding method of a time-varying image signal, said method comprising:

a decoding step for decoding an image-coded data;
10 a memorizing step for memorizing position information of a coded block in a time-varying image signal, the coded block corresponding to an image-coded data that could not correctly be decoded owing to a transmission error, in a case where said image-coded data is an 15 image-coded data after performing of intra-coding thereof; and

a requiring step for ascertaining whether a coded block that could not correctly be decoded even once exists or not when a first image-coded data after performing of 20 motion compensation prediction coding thereof from a beginning of communication is received, and for requiring transmission of a picture after performing of intra-coding thereof when existence of the coded block, which has not been decoded correctly, is ascertained.

25 11. The decoding method of a time-varying image signal according to claim 10, wherein in said decoding step, decoding of the image-coded data after performing of the

motion compensation prediction coding thereof is not performed in a case where the coded block that could not correctly be coded even once exists when the first image-coded data after performing of the motion 5 compensation prediction coding from the beginning of the communication is received.